May be emailed to: Melanie. Yanklowski@msdh. state.ms.us

MISSISSIPPI STATE DEPARTMI	ENT OF HE 2013 MAY 28 AM 8: 46
BUREAU OF PUBLIC WAT	ER SUPPLY FORM
City of B (CALENDAR YEAR 20)	012
Public Water Supply Na	ime
240001, 240036, 240084 List PWSID #s for all Community Water Syst	ems included in this CCR
The Federal Safe Drinking Water Act (SDWA) requires each Commun Consumer Confidence Report (CCR) to its customers each year. Depe system, this CCR must be mailed or delivered to the customers, published customers upon request. Make sure you follow the proper procedures who electronic delivery, we request you mail or fax a hard copy of the check all boxes that apply.	nity public water system to develop and distribute a nding on the population served by the public water
Customers were informed of availability of CCR by: (Attach of	copy of publication, water bill or other)
Advertisement in local paper (attach convert	advantia
On water bills (attach copy of bill)  Email message (MUST Email the message to Other on cityus bittand a	o the address below)  nailout
Date(s) customers were informed: 5/16/13, .5/17	2/13 . 5/23 /13
CCR was distributed by U.S. Postal Service or other dire methods used U.S. Postal Service	ct delivery. Must specify other direct delivery
Date Mailed/Distributed: 05/16/2013	· · · · · · · · · · · · · · · · · · ·
CCR was distributed by Email (MUST Email MSDH a copy)  As a URL (Provide URL biloxi, ms  As an attachment  As text within the body of the email message	Date Emailed: 5/17/13  ,US/POF/WEXER COUNTITY 2017 POF
CCR was published in local newspaper. (Attach copy of publi	shed CCR or proof of publication)
Name of Newspaper: BLOXE DIBERVILE	
Date Published: 5 /23 / 13	
CCR was posted in public places. (Attach list of locations)	Date Posted: 5 /23 / 13
CCR was posted on a publicly accessible internet site at the fo	llowing address (DIRECT URL REQUIRED)
biloxi, ms. us, biloxi, ms, us,	Pof/waterquality 2013, Pof
CERTIFICATION I hereby certify that the 2012 Consumer Confidence Report (CC) public water system in the form and manner identified above at the SDWA. I further certify that the information included in this the water quality monitoring data provided to the public was Department of Health, Bureau of Public Water Supply.	R) has been distributed to the customers of this and that I used distribution methods allowed by
Name/Title (President, Mayor, Owner, etd.)	5/23/13 Date
Deliver or send via U.S. Postal Service: Bureau of Public Water Supply	May be faxed to: (601)576-7800
P.O. Box 1700 Jackson, MS 39215	May be emailed to:
	Melanie. Yanklowski@msdh. state. ms. us

Thursday, May

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Pictured is Albert Galeas, a Carey University and current Burger Middle School, who New Teacher of the Year for School District.

attended Mississippi Gulf Coast Community College in 2009 upon graduation from high school. After one year at MGCCC, Galeas transferred to iter, and he Carey where he was an active

### STATE OF MISSISSIPPI **COUNTY OF HARRISON**

Before me, the undersigned Notary Public of Harrison County, Mississippi, personally appeared VICKI L. FOX who, being by me first duly sworn, did depose and say that she is a clerk of THE BILOXI-D'IBERVILLE PRESS newspaper published in Harrison County, Mississippi, and that publication of the notice, a copy of which is hereto attached, has been made in said paper 1 time in the following numbers and on the following dates of such paper, viz:

PROOF OF PUBLICATION

P.O. BOX 1209

**BILOXI, MS 39533** 

Vol. <u>40</u> No. <u>50</u> dated the <u>23</u> day of <u>May</u> 2013

Affiant further states on oath that said newspaper has been established and published continuously in said county for a peripd of more than twelve months next prior to the first publication of said notice.

Licia of JE

Sworn to and subscribed before me this the 23rd day of May, 2013.

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#### Public Notice

May 2013

## Annual Report on the Quality of Drinking Water

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April 2013

# Annual Report on the Quality of Drinking Water

Public Water Systems 0240001, 0240036 & 0240084

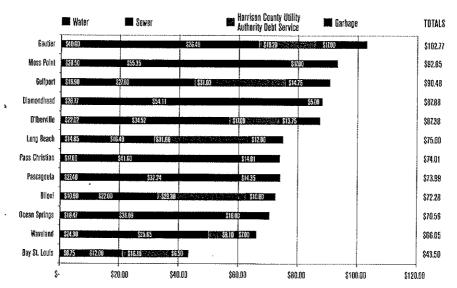




P.O. Box 429 Biloxi, MS 39533 Mayor A.J. Holloway and the Biloxi City Council George Lawrence • William "Bill" Stallworth • Lucy Denton Clark Griffith • Arlene Wall • Edward "Ed" Gemmill • David Fayard

PRESORTED STANDARD U.S. POSTAGE PAID PERMIT #57 BILOXI, MS 39530

## Comparison of Monthly Water Bills (Based on 8,000 gallens)



For the record; Pass Christian does not stipidate its debt service payments to Harrison County Utility Authority on its monthly bits. Debt service payments in Bay SL Louis and Waveland are to the Hancock County Utility Authority. Long Beach's water and sewer rates are a first fee, repardless of monthly usage.

INSIDE:
The Annual
Report on the
Quality of
Drinking
Water



biloxi.ms.us

10/2011

# Annual Report on the Quality of Drinking Water

Public Water Systems 0240001, 0240036 & 0240084

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Pascagoula Formation, Graham Forry Formation and the Miocene Series Aquifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request.

The wells for the City of Biloxi PWS ID#: 240001 have received a moderate susceptibility ranking to contamination; the wells for PWS ID#: 240036 have received moderate to higher susceptibility rankings to contamination; the wells for PWS ID #: 240084 have received lower to moderate susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Tracey Forehand at 228-435-6271. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first, third, and fourth Tuesdays of each month at 1:30 PM at the Biloxi City Hall located at 140 Lameuse Street.

We routinely monitor for constituents in your drinking water according to Federal and State laws. The tables inside list all of the drinking water contaminants that we detected during for the period of January 1st to December 31st, 2012, In cases where monitoring wasn't required in 2012, the table reflects the most recent results As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. On system # 240001: We took forty samples for coliform bacteria during August 2012. Three of those samples showed the presence of coliform bacteria. The standard is that no more than 1 sample per month of our samples may do so. We did not find any bacteria in our subsequent testing and further testing shows that this problem has been resolved.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our

Water Association is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

#### SIGNIFICANT DEFICIENCIES

System # 0240001

During a sanitary survey conducted on 1/22/10, the Mississippi State Department of Health cited the following deficiency:

1.) Inadequate security measures

<u>Corrective actions</u>: The system is in a Bilateral Compliance Agreement with the Mississippi State Department of Health to correct this deficiency by 6/30/2013. 2.) Well in flood zone (100 year)

Corrective actions; The system is in a Bilateral Compliance Agreement with the Mississippi State Department of Health to correct this deficiency by 6/30/2013.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottlied water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

### April 1, 2013 - MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING

In accordance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007 – December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice. Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. This is to notify you that your water system has completed the monitoring requirements and is now in compliance with the Radionuclidos Rule. If you have any questions, please contact Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, at 601.576.7518.

The City of Biloxi works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

	Biloxi Water Well Listing							
Health Dept To	ng No Facility Name	Street Address						
240001-01	Maple Street							
240001-04	Hospital Water Well	1123 Bayview Ava						
240001-05	Greater Ave	1880 Greater Ava						
240001-06	Porter Ave	1082 Irish Hill Or						
240001-09	Old Bay Vista	2434 Bay Vista Or						
240001-10	Bradlord St Well	768 Oradlord St						
240001-11	Debuys Water Well	262 Debuys Ad						
240001-12	Kuhn St	199 Kuhn Street						
240001-13	lberville	205 therville Or						
240001-14	Park Circle Water Well	345 Park Br						
240001-15	Father Ryan	1352 Father Ryan Ave						
240001-18	Pine Street Well	129 Pine St						
240001-17	Tullis	369 Beach Blvd						
240001-18	Lakeview	364 Lakevlew						
240036-02	North Riveryue	111B6 N Riviere Vue Dr						
240036-03	Oaklawn	9339 Oaklawn Br						
240036-05	Hwy. 67 & Caklawn	Hwy, 67 & Daklawn Or						
240084-01	Austwood	2181 Rustwood Dr						
240084-04	South Hill	1991 South Hill Dr						
240084-05	N Biloxi #1	2145 Popp's Ferry Rd						
240084-06	Vee Street	Vee Street						
240084-07	Cedar Lake Subdivision	11412 Penton Or						
240084-08	Biloxi Sports Complex	765 Wells Dr						

In these tables you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

- Action Level the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- Maximum Contaminant Level (MCL) The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- Maximum Contaminant Level Goaf (MCLG) The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- Maximum Residual Disinfectant Level (MRDL) The highest level of a disinfectant allowed in drinking water.
   There is convincing evidence that addition of a disinfectant is necessary for control microbial contaminants.
- Maximum Residual Disinfectant Level Goaf (MRDLG) The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- Parts per million (ppm) or Milligrams per liter (mg/l) one part per million corresponds to one minute in two years or a single penny in \$10,000.
- Parts per billion (ppb) or Micrograms per liter one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

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Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	WCL	Likely Source of Contamination
	: .						PROPERTY SERVICE	
		Pı	ıblic Wa	iter System 24	10084 - Te	st Res	ults	100
Inorganic C	ontaminant	c	and a second			accession to a second	725.00011 HISTORY	
10. Barium	N	2011	.005	.002 – .005	gpm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2010*	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
15. Cyanide	N •	2011	37	17 - 37	ppb	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
16. Fluoride	Ň	2011	.33	.1633	ppm	4	4	Eresion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2010*	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfection	By-Produc	ts						
81. HAA5	N	2012	30	No Range	ppb	0	60	By-product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N )	2012	29.5	No Range	ppb	O	80	By-product of drinking water chlorination.
Chlorine	N	2012	1.3	.10 - 4	mg/l	0	MDRL = 4	Water additive used to centrol microbes

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contemination	
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1. Total Coliform Bacteria	N	August	Positive	3	NA NA	0	presence of bacteria in 5 monthly sam	% o	Naturally present in the environment
Inorganic C	ontamina	ants							***************************************
10. Barium	N	2011*	.011	.001091	ppm	2	2	discharge	of drilling wastes; from metal relineries; natural denosits
3. Chromium	N	2011*	.8	.58	арь	100	100	Discharge	from steel and pulp sion of natural deposits
4. Copper	N	2011*	.2	0	ppm	1.3	AL=1.3	Corrosion systems; o	of household plumbing crosion of natural deposits; rom wood preservatives
5. Cyanide	N	2011*	83	18 - 83	ррь	200	200	Discharge	from steel/metal factories from plastic and fertilizer
6. Fivoride**	N	2011*	.39	. 16 – .39	ppm	4	4	additive w	natural deposits; water hich promotes strong tee from fertilizer and factories
7. Lead	N	2011	4	6	ppb	O	AL=15	Corresion	of household plumbing rosion of natural deposits
Disinfection	By-Prod	ucts					***************************************		
1. HAA5	N	2012	22	No Range	ppb	0	60	By-product	of drinking water disinfect
2. TTHM [otal tribalomethanes]	N	2012	28	No Range	ppb	0	80		t of drinking water
thlorine	N	2012	.9	.10 - 3	mg/l	0	MORL = 4		tive used to control microl

	Contamina	ants						
8. Arsenic	N	2011*	.6	No Range	ppb	n/a	10	Erosion of naturaldeposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	H	2011*	.002	.001002	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2008*	.1	0	ppm	1.3	AL=1.3	Corresion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
15. Cyanide	N	2011*	34		ρpb	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
6. Fluoride	N .	2011*	.32	.2532	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
7. Lead	N	2008*	4	0	ppb	0	AL=15	Corresion of household plumbing systems, erosion of natural deposits
Disinfectio	n By-Prod	ucts 2012	1.60	1-4	mg/l	n	MDRL = 4	Water additive used to control microbes

<sup>\*</sup>Most recent sample. No sample required for 2012.
Microbiological Contaminants:

(1) Total Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems. Most recent sample. No sample required for 2011.

#### PUBLIC WORKS DEPARTMENT

**ENGINEERING DIVISION**Damon P. Torricelli, P.E., City Engineer



Post Office Box 429 Biloxi, Mississippi 39533

Phone: (228) 435-6265 (228) 435-6269

Fax: (228) 435-6179

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